

USER MANUAL

Models in the series LaserPower III with target box Version 3.2

www.laserpower.net



Version 08/2015

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1 Components/Definitions – Rifle

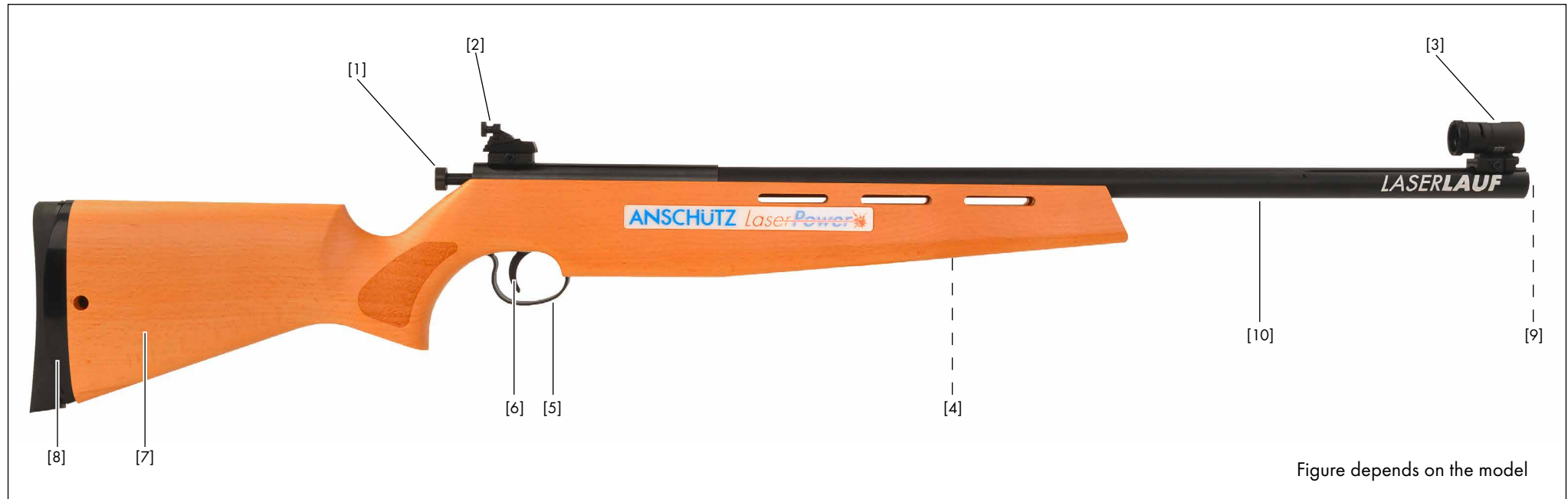


Fig.1 Overview

[1] Loading button

[2] Rear sight

[3] Front sight

[4] Battery compartment cover

[5] Trigger guard

[6] Trigger

[7] Stock

[8] Butt plate (adjustable)

[9] Laser emission point (Laser Class 1)

*Laser = Light Amplification by Stimulated
Emission of Radiation*

[10] Barrel



Components/Definitions – Target box and Accessories

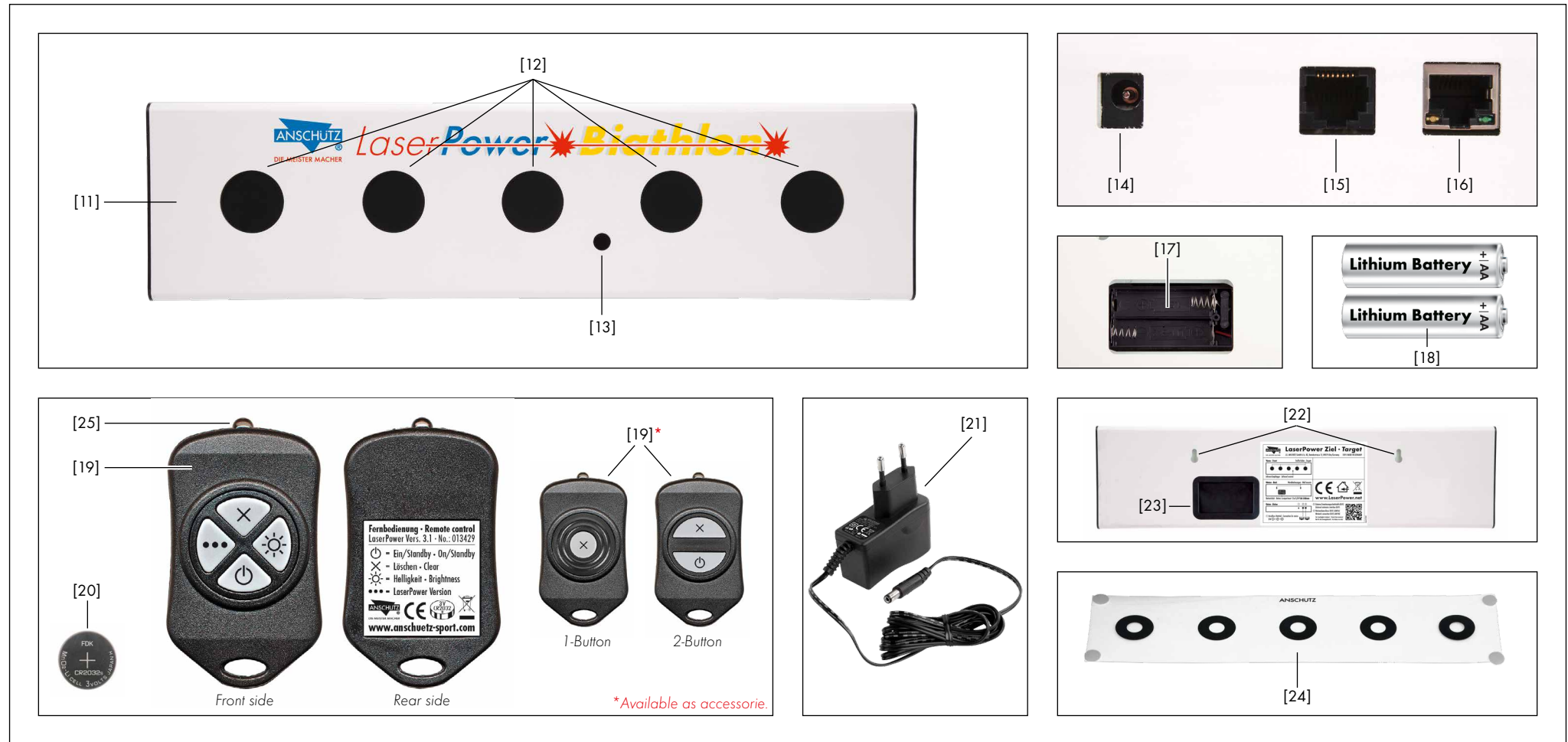


Fig.2 LaserPower III Accessories

[11] Target box V 3.2

[12] Target areas (5 in number)

[13] Infrared receiver (IR receiver)

[14] Connector socket power supply 5V (from below)

[15] RJ45 external extension interface (from below)

[16] RJ45 LAN-PoE network connection (from below)

[17] Battery compartment (at rear)

[18] Lithium battery for biathlon target (2x1.5V AA Lithium)

[19] Infrared remote control

[20] Button cell battery for remote control (1 x CR 2032)

[21] Power supply 5V; 1.0 A (Operating voltage)

[22] Wall mountings (at rear)

[23] Battery compartment cover for battery compartment [17]

[24] Target reducer

[25] Infra-red emitter (IR emitter)

2 Introduction

Dear ANSCHÜTZ Customer,

Thank you for choosing an ANSCHÜTZ product. Many sensational sporting successes have been achieved by champion marksmen, Olympic games participants and marksmen at world and European championships using ANSCHÜTZ sporting firearms.

Hunting and sporting firearms by ANSCHÜTZ enjoy a high reputation as a result of their well-engineered design, finish and outstanding shooting performance. Our tradition is based on quality and precision gained by experience since 1856.

We wish you much pleasure and sporting success with your new ANSCHÜTZ product.

Your ANSCHÜTZ team



DIE MEISTER MACHER

3 Key to symbols

The following icons are used in this operating instruction manual for general and particularly important details:

- ▶ indicates a handling instruction
- ✓ indicates the result of handling
- is the symbol for a list item
- ☞ is the symbol for a possible handling consequence
- ⚠ indicates a safety instruction

	INSTRUCTION!
	Imperative instruction that stipulates specific behaviour.

	CAUTION!
	Indicates a hazardous situation involving danger of minor physical injury or material damage.

	WARNING!
	Indicates a hazardous situation that can lead to serious physical injury or death.

3.1 General instructions

Although the ANSCHÜTZ LaserPower III Set is non-dangerous sporting equipment, it is still possible that incorrect use or ignoring the operating instructions could generate risks. Storage and use therefore require particular care.

The following safety and warning instructions must be observed without exception!

	INSTRUCTION! The operating instruction manual must be read carefully before using the LaserPower III Set.
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- ⚠ *The LaserPower III Set must not be exposed to rain, snow or any other moisture.*
- ⚠ *The LaserPower III-set may only be used in temperatures between 0 °C and +60 °C and should be protected against extreme variations in temperature and should not be exposed to direct sunlight.*
- ⚠ *It should only be used with dry hands.*
- ⚠ *The LaserPower III-set should also be protected against excessive cigarette smoke as well as mechanical shocks or blows.*

3.2 Laser class

Special protection / and care precautions are required when using or emitting laser beams.

	CAUTION! Lasers have an extremely concentrated electromagnetic power. Inappropriate use may give rise to biological and material damage. Looking directly into the laser beam should be avoided!
---	--

The LaserPower III uses a laser having a protection class 1 ($\leq 1 \text{ mW}$) (not dangerous under reasonably predictable conditions)

- Very low power.
- Light within visible spectrum.
- Beam power does not exceed the indicated limit.
- This laser is to be regarded as very safe if the operating instructions are followed.

3.3 Safety instructions

	CAUTION! Malfunction! Incorrect handling and non-observance of the operating instructions. ► Observe the operating instructions.
--	--

	CAUTION! Material damage and slight bodily injury! Prohibited opening of the LaserPower III Set. ► The LaserPower III Set must only be opened by qualified experts.
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⚠ *In the event of operational malfunctions, smoking or noise generation, the LaserPower III Set must be checked by qualified expert personnel.*

- ⚠ No foreign bodies must enter the LaserPower III Set.
- ⚠ Servicing work may only be carried out by qualified specialists.
- ⚠ Only genuine LaserPower III mains units must be used with this LaserPower III Set. Other brands and mains units from previous LaserPower models will cause damage to the target box.

	CAUTION!
	Material damage and slight bodily injury! Foreign bodies in the LaserPower III Set. ► The LaserPower III Set must be protected from the penetration of foreign bodies and fluids (when changing the batteries, for example).

- ⚠ The batteries must be removed for extended periods of non-use of the LaserPower III Set.
- ⚠ When transporting the LaserPower III Set from cold to hot rooms you must wait for about an hour before using.

	INSTRUCTION!
	Although the LaserPower III rifle is not a firearm in the sense of the firearms legislation, you must always make sure that the barrel [10] is pointing in a safe direction and is never aimed at people.

4 Legal provisions

	INSTRUCTION!
	The applicable firearms legislation, regulations and provisions of the respective territory and also the safety rules of the hunting and sporting organisations must be observed.

5 Intended use

The ANSCHÜTZ LaserPower III Set is designed exclusively for shooting at the target box. The target is displayed via a light signal to the target box and is reset using a remote control device. The five-piece target box is designed to catch and register a specially coded class 1 laser pulse of the laser rifle. The design distance for this is 10 metres. The actual target diameters will depend on the regulations of the Summer Biathlon applicable at the time (status June 2004).

6 Liability

ANSCHÜTZ will accept no liability or claims for compensation for damage of any kind arising from:

- Non-observance of this operating instruction manual,
 - Improper treatment or repair
 - Use of any parts other than genuine ANSCHÜTZ components,
 - Incorrect handling or care
 - Negligence
 - Removing/destroying of the sealing lacquer/sealing sticker,
 - Unauthorised tampering or
 - Transport damage.
- entstehen.

	CAUTION!
	Modifications and manipulation on the LaserPower III Set or its parts are prohibited and could, under circumstances, contravene the guarantee stipulations. Such modifications could have a negative effect on the safe use of the product and could lead to accidents that endanger life and limb. In these cases the guarantee is automatically voided.

7 Using for the first time

7.1 LaserPower III Rifle

- Unscrew the battery compartment cover [4] (on the bottom of the stock).

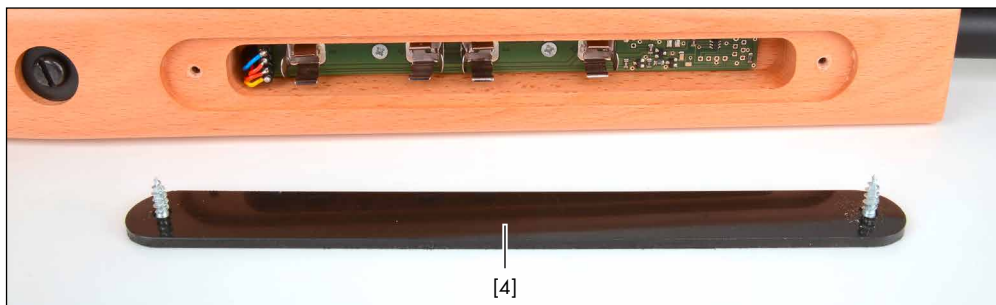


Fig. 3 Battery compartment cover opened

- Insert batteries (2 x micro AAA) taking care with polarity.

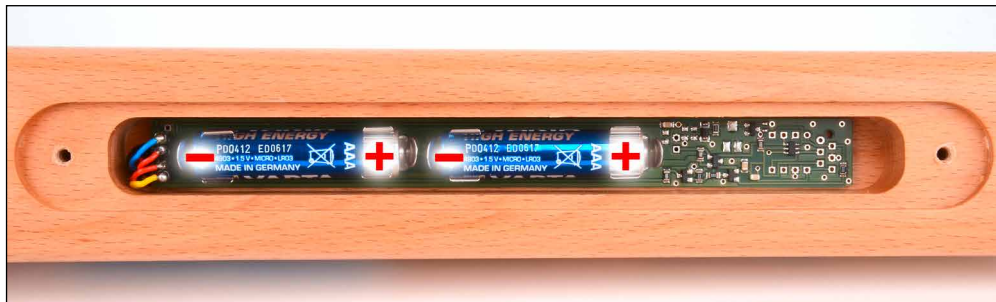


Fig. 4 Inserting the batteries

- Screw the battery compartment cover [4] back in place on the bottom of the stock.

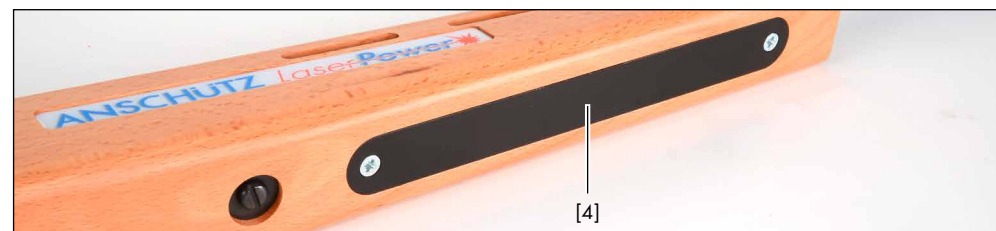


Fig. 5 Battery compartment cover closed



INSTRUCTION!

The batteries must be removed if the LaserPower III rifle is not to be used for an extended period in order to prevent damage from leaking or corroding of the batteries.



INSTRUCTION!

The service life of the batteries in the LaserPower III rifle depends on the batteries used, the quality of the batteries and their use or frequency of use* (see instructions on Page 12). With multiple use, it is perfectly possible that the batteries are „shot flat“ within a period of 1–2 days.



INSTRUCTION!

Batteries are special waste and must not be put in with the household waste. The relevant local waste disposal regulations should be observed.



CAUTION!

Danger of destruction by body electricity! Do not touch electronic components such as printed circuit boards!



INSTRUCTION!

Only batteries of the same brand and of the same type may be used together.

The batteries must always be replaced at the same time (never insert old and new batteries together).

7.2 Remote control for target box (depending on the model)

- **Battery replacement:** the housing on the remote control [19] must be opened carefully with your fingers (see Fig. 6).

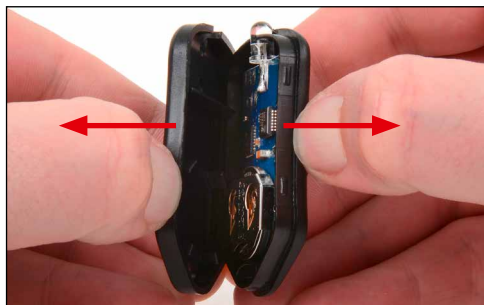


Fig. 6 Opening the remote control



Fig. 7 The remote control after opening

- Take the button cell [20] out of the remote control (see arrow).

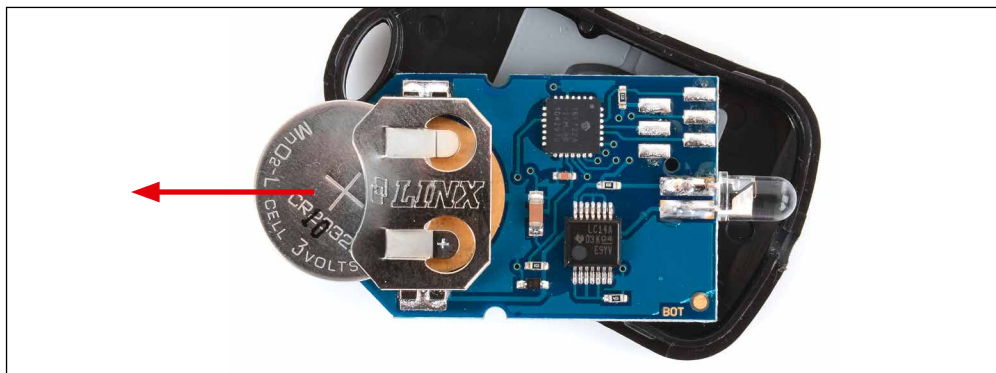


Fig. 8 Removing button cell battery

- Insert the button cell [20] taking care with the correct polarity („+“ pole must point upwards).

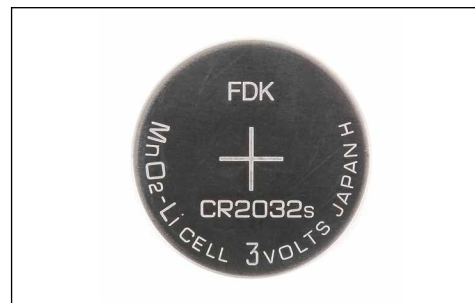


Fig. 9 Button cell battery

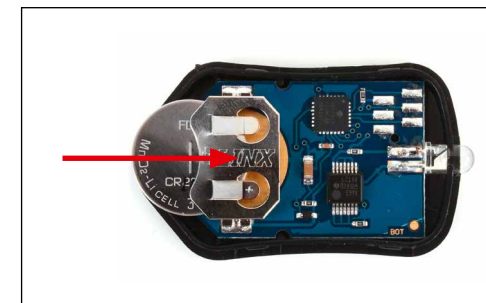


Fig. 10 Inserting button cell battery

- Close the remote control again.



Fig. 11 The remote control after closing



INSTRUCTION!

You can control more than one set of targets simultaneously using a single remote control, as individual remote controls and target sets are not configured exclusively matched to each other.



INSTRUCTION!

Batteries are special waste and must not be put in with the household waste. The relevant local waste disposal regulations should be observed.

- One button cell CR 2032 [20] is required for the remote control.

Operating conditions of the remote controls

There are 3 types of remote control (see Fig. 12) that differ in the number of buttons.

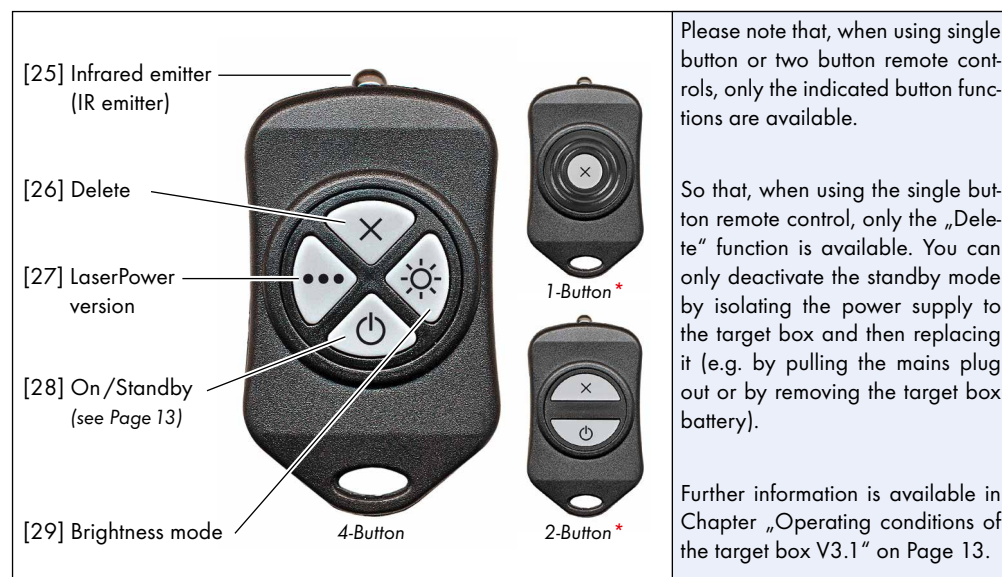


Abb. 12 Infrarot-Fernbedienung des LaserPower

*Available as accessories.

INSTRUCTION!

When using the remote control [19] the IR emitter [25] should be pointed towards the LaserPower target box in order to ensure problem-free operation.

Delete:
All illuminated target areas are reset by pressing the „Delete“ button [26].

On/Standby:
You can switch backwards and forwards between the Standby and Ready to receive modes by pressing the „On/Standby“ button [28]. In order to change from the Standby mode to the Ready to receive mode, you must press the „On/Standby“ button on the remote control for at least one second.

Version:

After pressing the LaserPower „Versions“ button [27], the user has 60 seconds from switching on the target box to select the LaserPower operating mode. After that time the menu is disabled in order to prevent incorrect settings being made during a competition. The current mode is indicated by the number of illuminated target areas for five seconds. e.g. if two target areas light up at the same time, the LaserPower III operating mode has been selected.

The following operating modes are available:

- One target area illuminated: Laser Power I Mode
- Two target areas illuminated: Laser Power II and III Mode
- Three target areas illuminated: Mode not yet defined

INSTRUCTION!

Note on compatibility with earlier 1.x versions:
The LaserPower 1.x rifle version model has had several development stages, i.e. various different laser pulse detections. The target box V 3.x does not detect all laser impulse detections from LaserPower 1.x rifles made at the time. If the target box in version 3.x should fail to recognise the laser impulse of a version 1.x LaserPower rifle, please contact us. In this case we need to carry out a chargeable replacement of the Version 1.x rifle electronics.

Brightness:

You can set the brightness of the target areas by pressing the LaserPower „Brightness mode“ button [29]. The brightness of the target areas can be set in three stages. After power-up = restarting the target, the LaserPower target box will be in the „normal“ brightness setting. The change in brightness is made immediately after you press the Brightness button on the remote control. If at least one target area is lit up, then the change in brightness can be evaluated on the basis of the target area currently lit up. If no target area is lit up then after you press the button for changing the brightness for two seconds all five target areas will be lit up to allow you to evaluate the brightness setting accurately.

The brightness settings are made in rotation: By pressing the button [29] you increase the brightness. If the brightest setting is currently being used, then the device jumps back down to the lowest brightness setting.

There are three brightness settings available:

- Low: low light intensity
- Normal: medium light intensity
- High: maximum light intensity and very high power consumption

The appropriate brightness mode is implemented as soon as / the target area illumination goes out again. The appropriate brightness mode can be changed at any time while switched on by pressing the button [29].

7.3 Target box V3.2

Power supply

Power can be supplied to the LaserPower target box in three different ways:

- External power supply (5 V operational voltage)
- Lithium batteries (2x1.5 V AA Lithium). Please use only Lithium batteries!
- PoE (Power over Ethernet) – CAUTION: Max. cable length: 30 m!

The LaserPower Target box works in exactly the same way, no matter how it is supplied with power. You must be aware that, when operating using batteries, the Ethernet interface is not available because of the high level of energy consumption.

7.3.1 Battery

There is a possibility of providing power to the LaserPower target box by the use of high-performance batteries.

This involves the use of two AA Mignon Lithium batteries with 1.5 V [18].



	CAUTION! ANSCHÜTZ recommends the use of the original mains unit (5V operating voltage) as the power supply for the LaserPower target box! ANSCHÜTZ recommends the use of batteries only in exceptional cases.
	INSTRUCTION! The battery must be removed for extended periods of non-use of the target box in order to prevent damage caused by leaking or corroding of the battery. The service life of the battery depends on the frequency of use* (see Instructions of Page 12). Batteries are special waste and must not be put in with the household waste. The relevant local waste disposal regulations should be observed.

Notes on disposal of batteries

In the context of sale of batteries and the inclusion of batteries with goods delivered, the following should be noted:

As the end-user, you are legally obliged to return used batteries. You can return old batteries without charge.

The symbols that appear on batteries have the following meaning:



The symbol of a refuse bin crossed out indicates that the battery cannot be deposited in household refuse.

Pb = the battery contains more than 0.004 percent by mass of lead.

Cd = the battery contains more than 0.002 percent by mass of cadmium.

Hg = the battery contains more than 0.0005 percent by mass of mercury.

Please observe the above-listed instructions.

Insert the batteries (depending on the modell^{**})

Battery compartment [17] (on the back of the target box).

- Remove the battery compartment cover [23] (slotted hole rubber grommet).



Fig. 13 Battery compartment with cover on the LaserPower target box



Fig. 14 Battery compartment cover

- Insert Lithium batteries [18] (2x1.5 V AA Lithium) using the correct polarity.

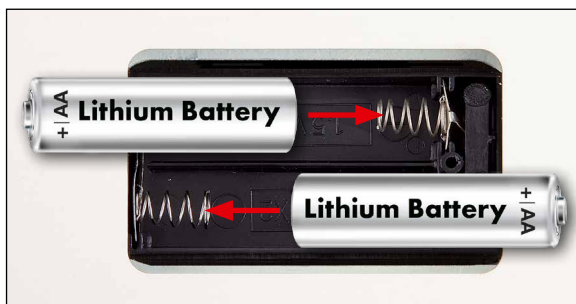
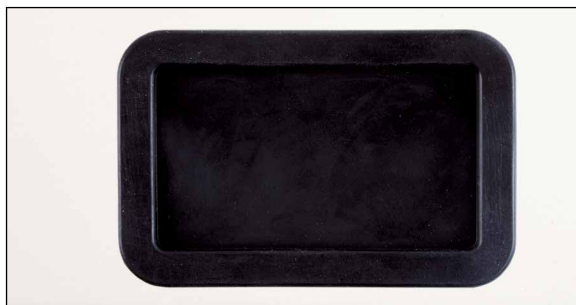


Fig. 15 Inserting the Lithium batteries



- Close the battery compartment again with the slotted hole rubber grommet [23].

****** There are target boxes, which can be operated with only one battery.



INSTRUCTION!

The battery must be removed for extended periods of non-use of the LaserPower target box in order to prevent damage caused by leaking or corroding of the battery.



INSTRUCTION!

The service life of the battery in the LaserPower target box depends on the type of battery used*, the battery quality and its use or frequency of use.

With multiple use, it is perfectly possible that the batteries are „shot flat“ within a period of 1 hour.

ANSCHÜTZ therefore recommends using the mains unit with the target box. If you still prefer to use batteries then you should use only high-performance Lithium batteries.

**Lithium battery = long service life
Alkaline battery = shorter service life*



INSTRUCTION!

Batteries are special waste and must not be put in with the household waste. The relevant local waste disposal regulations should be observed.



CAUTION!

Danger of destruction by body electricity!

Do not touch electronic components such as printed circuit boards!

The operational states of the target box V 3.2

The LaserPower target box Version 3.2 has three different operating conditions:

- Ready for reception = On
- Standby = Receiving power, but not switched on (in idle or power-save mode)
- Off = without batteries and disconnected from the mains (no power supply)

Ready for reception

The LaserPower target box Version 3.2 can be switched on in four different ways (= receive-ready mode):

- Switching on using the remote control (with power supply present)
- Power supply from the mains unit recommended!
- Inserting the high-performance Lithium batteries (2x1.5V AA Lithium) (exceptional cases).
- Power supply via PoE (Power over Ethernet) – max. cable length 30 m!

If the LaserPower target box is supplied with power (mains unit, Lithium battery, PoE), i.e. is switched on, this immediately changes to the operating mode „ready to receive“. Changing to „Ready to receive“ operational state is indicated by the constant and simultaneous illumination of all five target areas (= optical function control) for one second. If the target box is already being supplied by a power source (e.g. high-performance Lithium battery) and then additional power is added (e.g. a mains unit), its condition will not change! I.e. the optical function check does not react again. In „Ready to receive“ mode, the LaserPower target box waits to be shot by a suitable laser impulse or to receive commands from the remote control. If the LaserPower target box is operated using a power unit or via PoE, then the Ethernet interface is also available. **The Ethernet interface is not available in battery mode because of the high level of power consumption.**

The operational modes of the target box set immediately after switching on are the following:

- LaserPower III operating mode

- **Brightness setting for the target area: „medium light intensity“**

You can find further details on this topic on page 10.

Standby

In this state the LaserPower target box consumes very little energy.

You can switch to the „Standby“ operational state by pressing the On /Standby button on the remote control. If the LaserPower target box is left idle for three hours (it is neither shot at nor is any other activity performed), it will also switch to Standby mode automatically. Before the LaserPower target box changes to the Standby Mode, this is indicated by all 5 target areas flashing three times in a row.

You can only switch from „Standby“ to „Ready to receive“ once the power is on by pressing the On /Standby button on the remote control. As the LaserPower target box is in a „dormant state“ in Standby, you must hold down the On / Standby button on the remote control for at least one second before the LaserPower target box switches back over into the „Ready to receive“ state (the switch into the „Ready to receive“ state is indicated by all five areas flashing as described above).

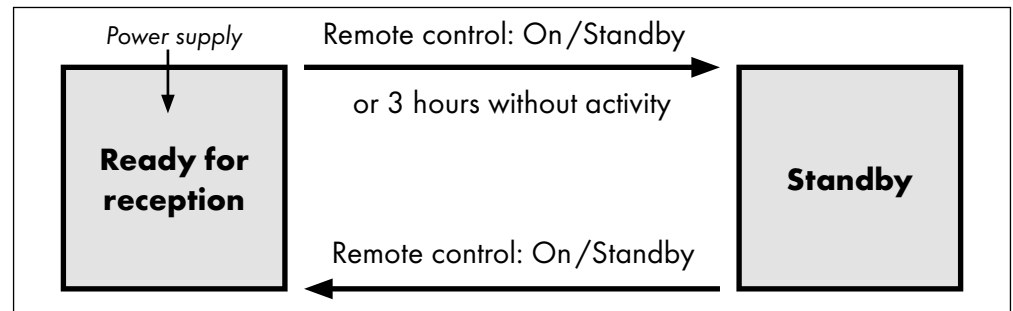


Fig. 16 Diagram of the possible operating states of the LaserPower target box



INSTRUCTION!

The LaserPower target box is designed only for indoor use. For this reason, it should be protected from moisture.

7.4 Power cable

Another way of supplying power to the LaserPower target is by using an external pluggable power unit [21]. The power unit can be used even when a battery is inserted.

The technical specifications of the power unit must satisfy the following requirements:

- Nominal voltage: 5 V; 1.0 A
- Voltage type: DC (observe following character: $\ominus - \text{C} - \oplus$)
- Current capacity: 1,0 A
- Plug connection: Coaxial power connector with (where possible injection moulded) plug

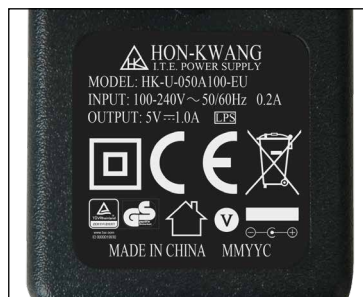


Fig. 17 Power unit

Appropriate use of the power unit:

Any conversion or modification to the power unit is prohibited on safety and licensing grounds (under CE rules). Any other usage other than the one described is prohibited and may lead to damage to the product or to the danger of short-circuit, fire, electric shock, etc.



INSTRUCTION!

The warranty/guarantee is made null and void by any damage caused by failure to observe the instructions contained in this user's manual! We accept no liability for consequential damages! We accept no liability for cases of material or personal damages occasioned by inappropriate handling or failure to observe the safety instructions provided. In such cases the warranty/guarantee shall become null and void.

CAUTION!



The power unit included with the product is designed exclusively for use with the LaserPower target box. Do not use it for any other device. For operation with mains voltage, you must only use the original ANSCHÜTZ mains unit (operating voltage 5 Volt)! You will find an indication/logo on the power cable underneath the plug (see Fig. 17)! Please consult your own local regulations! You are personally responsible for ensuring the correct and legally permitted use of the power unit in your country.

WARNING!



The power unit can get very hot with extended use.

Information on safety:

The safety instructions and warnings must always be followed to ensure continued technically perfect condition of the unit and safe operation.

- Please ask an expert if you have any doubts on the functioning, safety or on how to connect the device.
- Keep out of reach of children!
- Keep small parts, etc. well away from children.
- In commercial buildings carefully observe the regulations concerning accident prevention for electrical devices and equipment in force by the relevant professional association.
- Hands, shoes and clothing as well as the floor and the power unit itself must all be dry during use.
- Do not connect up the power unit after moving it from cold to warm temperature conditions. The resulting condensation may destroy the device. The device must be allowed warm up slowly to room temperature before being switched on (for about an hour).

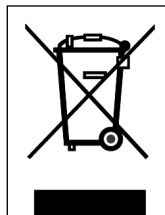
- The power unit will become hot while in operation. Ensure that it has sufficient ventilation.
- Do not leave the power cable or the devices connected to it unattended during operation.
- Pull the power unit out of the socket if the device has not been used for a longer period of time.
- Unplug the device if it should suffer any fault in its functioning.
- In order to remove the device fully from the mains, remove the power unit from the socket or the adapter from the device.
- Power cables are not suitable for use on humans or animals.
- It is forbidden to use the device under adverse conditions (e.g. in the presence of moisture, excessively high humidity, dust, flammable gases, vapours or solvents).
- Take the device out of use if:
 - it exhibits visible signs of damage,
 - it is no longer working properly,
 - it has been stored for an extended period under unsuitable conditions or
 - it has been exposed to severe stresses during transport.
- Please also observe the additional safety instructions contained in each chapter of this user's handbook.

Maintenance and cleaning of the power unit:

The power unit does not require any maintenance. Never dismantle it, as this will invalidate its CE approval and its warranty/guarantee. In order to prevent damage, it should only be repaired by a qualified specialist or approved repair workshop. Clean the power unit with a soft, lint-free cloth only. Do not use cleaning agents. Dust may be removed using a soft brush or vacuum cleaner.

Disposal of the power unit:

Used and defective devices must be brought to public collection points for electrical scrap.



8 Shooting

- Providing the target box with power (see Point 7.3).
- Push the loading button [1] on the LaserPower III rifle, aim and pull the trigger [6].

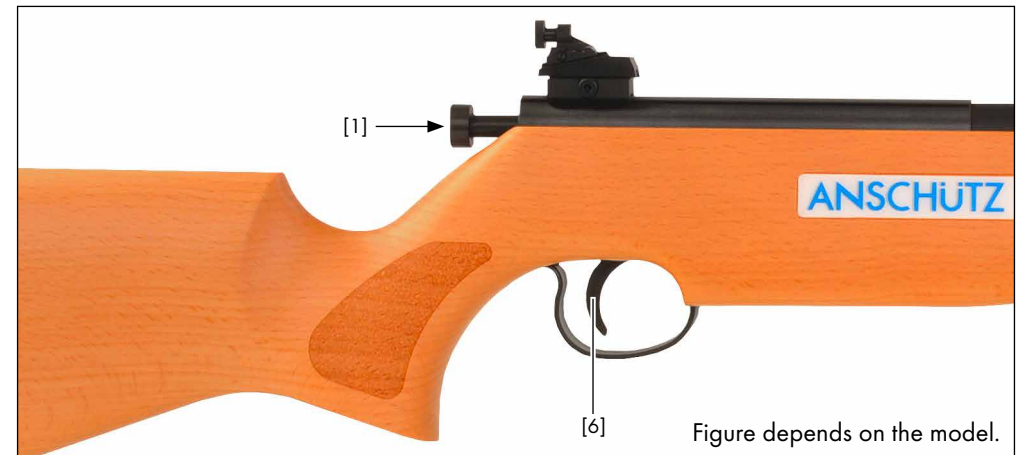


Fig. 18 Loading and shooting

A hit is indicated by a white light signal on the biathlon target.

The hit indicator is reset using the remote control [19].

- Aim the remote control to the target box [11] and push the „delete“ button [26]. The IR emitter [25] must be pointed at the target box and the IR receiver [13].
- ✓ The biathlon target is reset when all five lights of the five target areas [12] go out.

8.1 Rear sight adjustment

The ANSCHÜTZ LaserPower III rear sight can be adjusted both vertically and horizontally.

Adjustment:

The target dot always depends on the setting of the rear sight [2].
Moving the rear sight [2] to the right causes the shot to be displaced to the right.
Moving the sight upwards causes the shot to be displaced upwards.

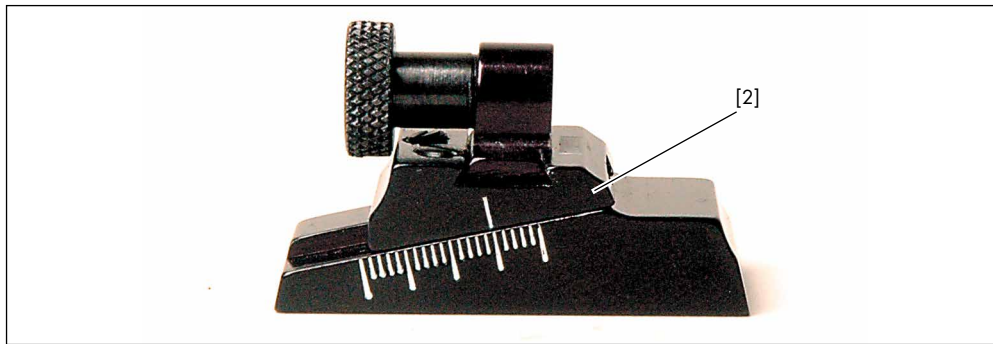


Fig. 19 Rear sight

- Unscrew the aperture screw [x] to gain access to the setting screw.

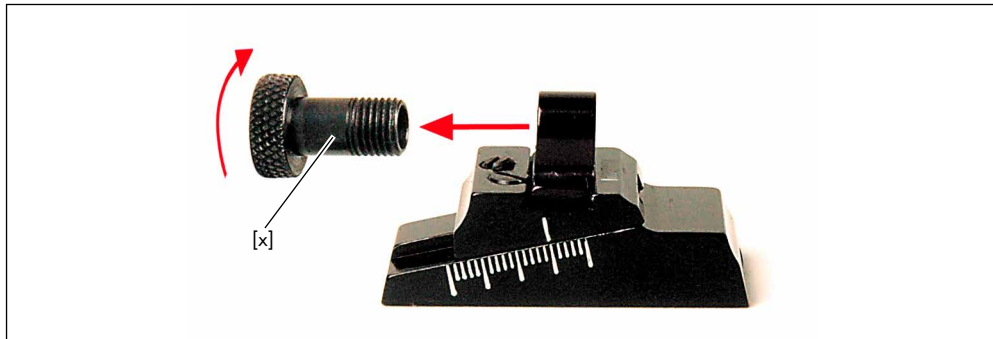


Fig. 20 Removing the aperture screw

- Turn back the screw [a] on the left hand side of the sight by about half a turn to adjust the elevation.
- Slide the sight [b] upwards and downwards in the dovetail guide and then retighten the screw [a].

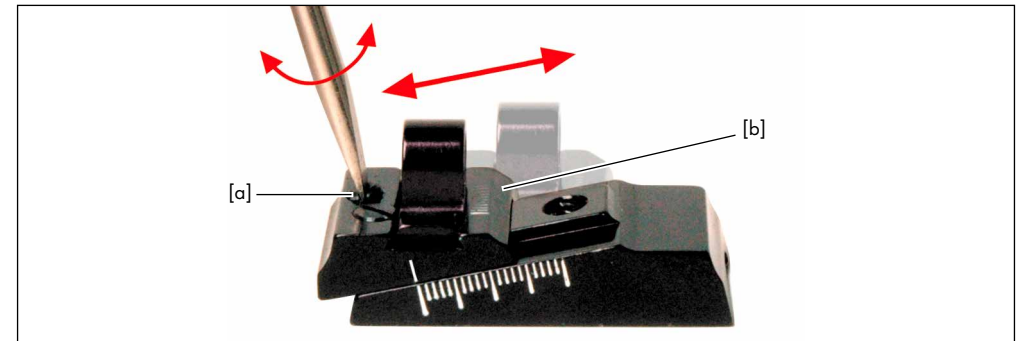


Fig. 21 Rear sight adjustment

- Turn back the screw [c] on the right hand side of the sight [b] by about half a turn to adjust the windage.
- Slide the sight [b] to the right or left and then retighten the screw [c].

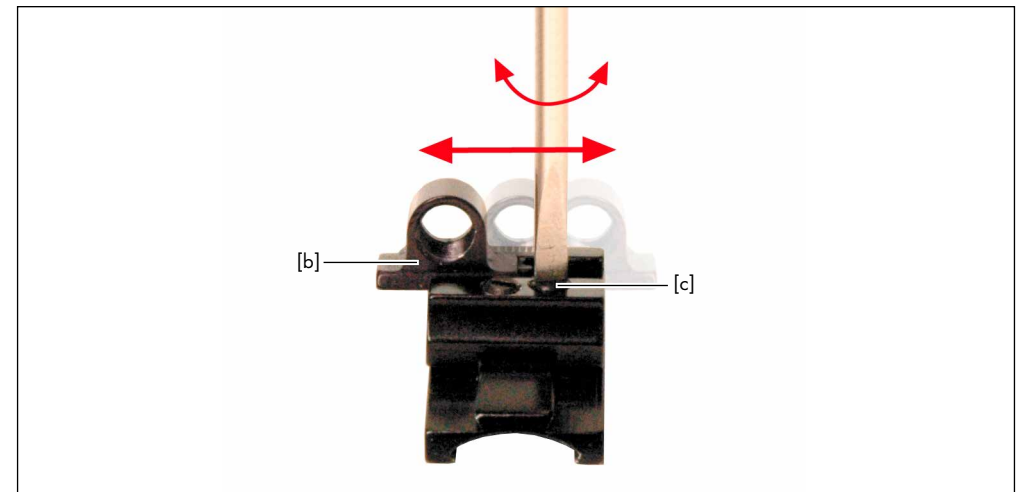


Fig. 22 Rear sight adjustment

8.2 Target reducer

The target reducer [24] and the biathlon target [11] are equipped with Velcro stickers.

- In order to fix the target reducer on the biathlon target, push the target reducer onto the biathlon target with light pressure (the Velcro strips of both components must lie one on top of each other).

The target reducer can be quickly attached and removed as required.

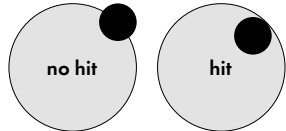
8.3 Laser alignment

The laser is factory set to a range of 10 metres. Where other distances are being used, we recommend using a rear sight from the ANSCHÜTZ range of accessories. The alignment is then carried out using the rear sight adjustment.

8.4 The target areas

If the signal processing recognises a hit on any surface, then the target area lights up. A laser shot must remain fully inside the target area for at least 18 ms. Any panning or shaking during the shot may have the effect of preventing the target display from lighting up. It is therefore essential to aim and fire cleanly. Where a hit occurs, the previously unlit target area then lights up in white.

The illuminated target areas [12] can be turned off again in two ways: by pressing the „Delete“ button [26] on the remote control or by waiting at least 60 seconds as counted from the last hit fired (= automatic resetting). This means that the target is reset automatically after all five target areas have been hit and 60 seconds have elapsed since the last hit.

	INSTRUCTION!
	To be considered a hit, the laser beam must be 100% within the target area. Edge hits do not count! 

8.5 Important information

In order to assure a correct hit evaluation and avoid possible manipulation by laser pointers during competition, only the laser pulse from a LaserPower rifle will release a hit.

The LaserPower III target box reacts to the laser pulse of any LaserPower III rifle. A definite assignment of a Laser Power III target box to an individual rifle is not possible.

Same applies to the LaserPower III remote control. Each LaserPower III remote control can operate each LaserPower III aim.

9 Maintenance / Cleaning

- ⚠ The inside of the barrel of the LaserPower III rifle must always be free from dirt, dust, snow etc.
- ⚠ A dry soft cloth should be used for cleaning the LaserPower III Set.
- ⚠ With stubborn contamination the cloth can be slightly moistened and a mild cleaning agent can be used.
- ⚠ The LaserPower III Set to be dried with a soft cloth.

	CAUTION!
	Material damage! Damage to the product caused by chemicals. ► You must not use abrasive agents, scrubbing sponges, alcohol, thinners, petrol or chemically treated cloths to clean the LaserPower III Set.

10 External extension interface

The RJ45 interface [15] is designed for possible future extension.

	INSTRUCTION!
	ANSCHÜTZ does not itself market any software, nor does it offer any software support.

11 Technical data

Rifle

	Profi Level	Expert Level	Master Level
Weight approx. (kg).....	1,8	2,5	2,3
Total length LaserPower III rifle (cm).....	93,0	95,4	99,5
Barrelled action length.....	66 cm		
Laser classification	Klasse 1 (<=1 mW)		
Batteries LaserPower III rifle.....	2 x 1,5 V AAA		
Operating time LaserPower III rifle.....	approx. 1/2 year		

Target box V3.2

Dimensions	109.6 x 420 x 53.7 mm (H x W x T)
Width of target area	35 mm
External power supply	5V; 1,0 A
Battery power	2x1,5 V AA Lithium
Biathlon target interfaces	RJ45 external extension interface RJ45 LAN-PoE network connection

Remote control

Battery remote control	1 x button cell battery CR 2032. 3 V
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	INSTRUCTION!
	If you select battery operation for the target box, then please use only high-performance batteries (e.g. industrial Lithium batteries). ANSCHÜTZ recommends the use of the mains unit.

12 Troubleshooting

Fault	Possible cause	Remedy
Rifle:		
No laser spot	Batteries too weak	Replace batteries
	Laser trigger defective	Send for repair
Laser not exactly on target	Laser not aligned	Send for alignment
Trigger does not release	Release button not cocked	Cock the LaserPower

Biathlon target:		
Laser hits but the target does not light up	Target not switched on	Switch on target
	Battery is flat	Replace the battery (use only high-performance Lithium batteries!)
	When operating with plug-in power unit	Connect power, Replace plug-in power unit
	Target version mode does not match the rifle's mode	Set to the correct mode (see „Operating states“)
Target does not respond to each shot	Battery is flat	Replace the battery (use only high-performance Lithium batteries!)
	Incorrect plug-in power unit	Use original plug mains unit
	Important: When operating with a plug-in power unit, only use the unit supplied with the set [21], as otherwise damage to the biathlon target can occur!	

Remote control:		
Range too short	Battery weak	Replace battery
	Does not even function close in	Send both remote control and biathlon target for repair

INSTRUCTION!

Note on compatibility with earlier 1.x versions:

The LaserPower 1.x rifle version model has had several development stages, i.e. various different laser pulse detections. The target box V 3.x does not detect all laser impulse detections from LaserPower 1.x rifles made at the time. If the target box in version 3.x should fail to recognise the laser impulse of a version 1.x LaserPower rifle, please contact us. In this case we need to carry out a chargeable replacement of the Version 1.x rifle electronics.

Troubleshooting

a.) The target fails to respond to shots:

- Check power supply (high-performance Lithium battery and mains unit).
- Switch on target.
- Test functioning in darkened room.
- Isolate the power, wait one to two minutes, switch back on and observe the way the target areas light up.
- Check that the rifle is working.
- Check whether the target is in the correct LaserPower mode.
- Change over to mains unit operation.

b.) Target areas very dark

- With battery operation, change the Lithium battery.
- Check that the correct battery type and a high-performance Lithium battery are used.
- Change over to mains unit operation.

c.) The remote control is not working

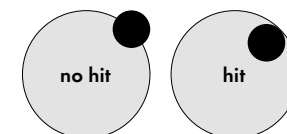
- Replace the battery in the remote control.
- Check that there is a clear view to the sensor.
- Check the sensor surface for dirt.
- Test if it works at a shorter distance from the target.
- Hold the remote control with the IR emitter pointing in the direction of the target.

d.) The target set to LaserPower Mode I does not respond to hits from a LaserPower I rifle:

- Set the target to LaserPower mode I.
- Install new and fully charged batteries in the rifle.
- If the target still does not respond to hits, please send the rifle and target to ANSCHÜTZ for checking.

INSTRUCTION!

To be considered a hit, the laser beam must be 100% within the target area. Edge hits do not count!



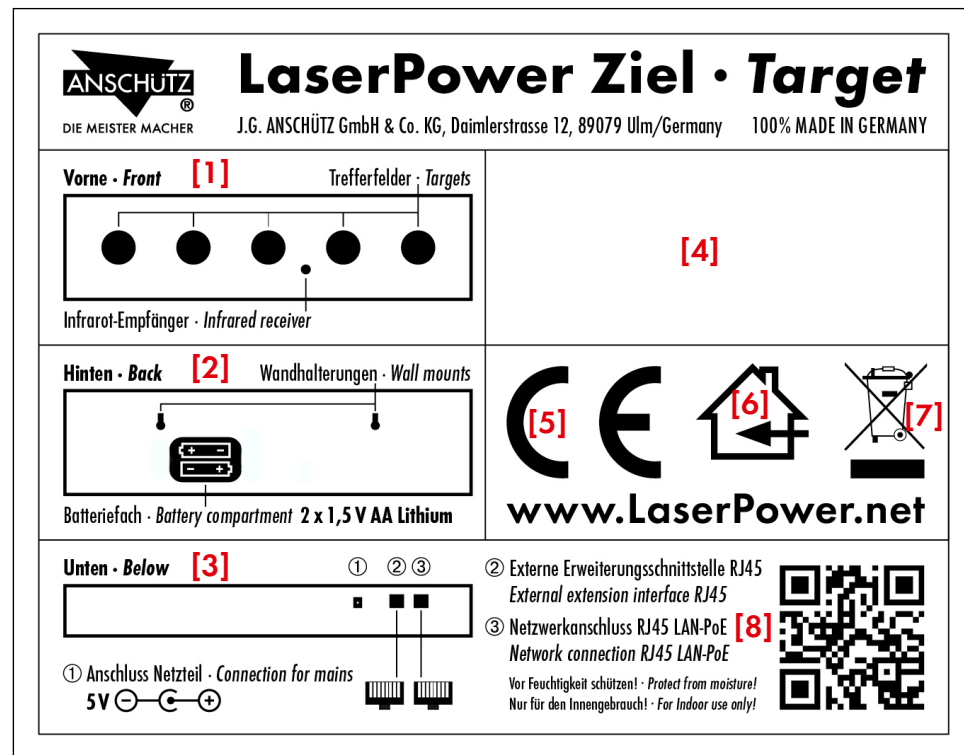
e.) The battery gets hot:

- Remove the battery.
- Remove the power supply.
- Check for correct supply voltage.
- Send in if the fault repeats.

f.) Smoke generation at the target box:

- Remove the power supply as quickly as possible.
- Send the target box to us immediately.

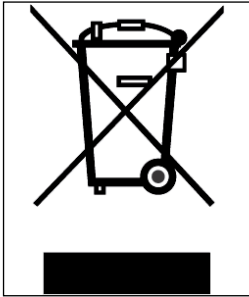
13 Description of stickers



- [1] Front view of the LaserPower target with view of the target areas and the infrared receiver (see Page 4).
- [2] Rear view of the LaserPower target with view of the battery compartment and the wall mounts (see Page 4).
- [3] LaserPower target box from below with view of the connections RJ45, RJ45 LAN-PoE and mains unit plug (see Page 4).
- [4] Space for version sticker with the following information:
 - Firmware Version (status of operating software).
 - Hardware Version (status of technical components).
 - Serial (serial number of the target box).
 - MAC address (network identification number).
- [5] CE mark.
- [6] Target box is designed for indoor use.
- [7] Electrical product must not be included with household waste.
- [8] QR Code – links to an internet website (www.laserpower.net) or other information. (A QR Code is scanned using a smartphone or tablet PC. A QR Code application is required.)

14 Disposal

Disposal of the LaserPower III Set must be carried out in a sorted manner.



15 Miscellaneous

Additional information is available on the Internet at www.anschuetz-sport.com.

The free ANSCHÜTZ Newsletter also provides information about innovations concerning this and other products and is available as a subscription on the internet.

We would be delighted to hear your suggestions and thoughts on enhancements to this user's handbook. We look forward to hearing your suggestions on how we can improve it.

16 Guarantee and guarantee card

In case of a damaged ANSCHÜTZ seal, your warranty will cease to exist.



www.laserpower.net

<<< WARRANTY >>>

1. Material: This product has been released for sale after the product itself, its materials and individual components have been subjected to strict inspection, or the rifle has demonstrated its durability and function during test shooting. J.G. ANSCHÜTZ GmbH & Co. KG offers a full guarantee covering material and manufacturing faults (excluding broken stocks and springs) for a period of two years, provided that the fault can be shown to have been present at the time of handover of the product. No warranty claims will be accepted by J.G. ANSCHÜTZ GmbH & Co. KG for faults that are the result of improper use or unauthorised repairs. The item will either be repaired or replaced at our discretion. Claims for compensation - put forward for any legal reason whatsoever - are excluded.

2. Shooting Performance: The purchaser undertakes to inform J.G. ANSCHÜTZ GmbH & Co. KG in writing of any faults detected in shooting performance within one month of purchase with the submission of their own shooting record. J.G. ANSCHÜTZ GmbH & Co. KG reserves the right to transfer the rifle to an independent agency for inspection (DEVA or a national ballistics office). Should such an agency confirm excellent shooting performance, J.G. ANSCHÜTZ GmbH & Co. KG is entitled to charge the purchaser the costs of the rifle inspection. The accepted warranties do not apply to rifle damage resulting from mechanical effects and improper use or care by the purchaser. The warranty is excluded if the rifle has been repaired or modified by unauthorised persons. Likewise, the warranty is cancelled when using reloaded ammunition or ammunition which is not CIP approved.

In the event of a warranty/damage claim please enclose this card, completed and signed by your dealer, with the product.

J.G. ANSCHÜTZ GmbH & Co. KG · Jagd- und Sportwaffenfabrik
Daimlerstrasse 12 · D-89079 Ulm/Germany · www.anschuetz-sport.com



SERIAL-NO.: _____

DATE: _____

THIS ITEM WAS PURCHASED FROM: *(Stamp or sales receipt.)*